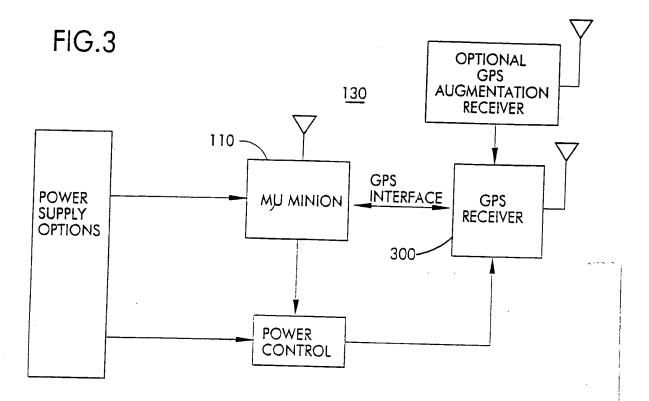


\_ = -



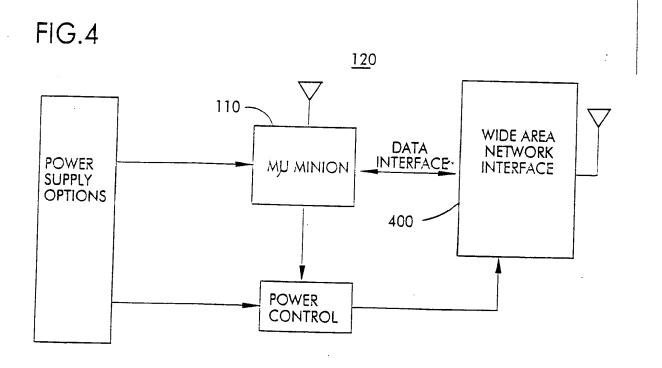


FIG.5

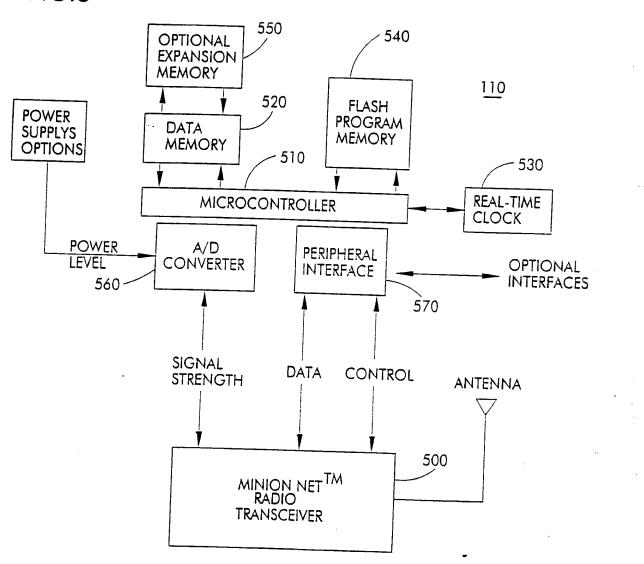


FIG. 6A

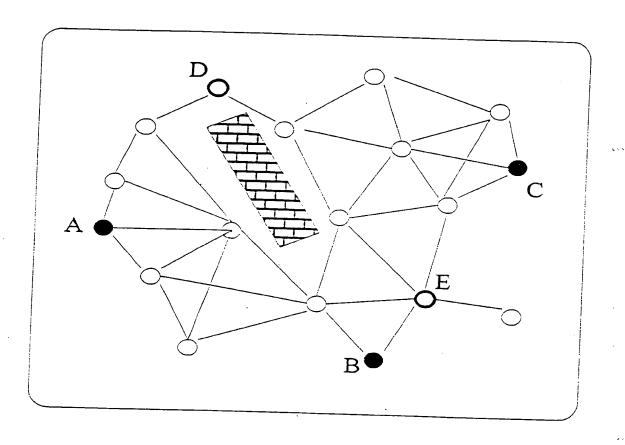


FIG. 6B

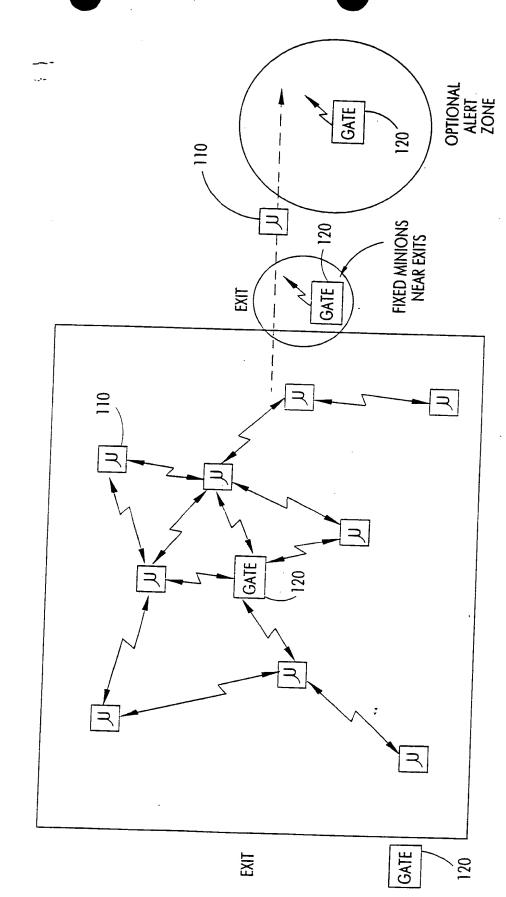


FIG. 6C

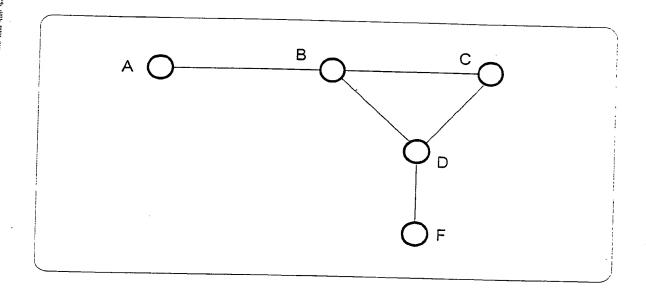


FIG.7

OPTIONAL POWER SOURCES

SOLAR POWER

PRIMARY BATTERY

RECHARGEABLE BATTERY

EXTERNAL SOURCE

SUPER CAPACITOR

THERMO-ELECTRIC

TELEPHONE LINE

HOUSEHOLD CURRENT

OPTIONAL COMMUNICATION INTERFACE

CABLE TV

**GPS RECEIVER** 

GPS DIFFERENTIAL AUGMENTATION

WIDE-AREA WIRELESS NETWORK

LOCAL-AREA WIRELESS NETWORK

CELLULAR MODEM

LAND LINE MODEM

SATELLITE DATA MODEM

PERSONAL COMPUTER INTERFACE

PDA INTERFACE

MUNION

## OPTIONAL APPLICATION-SPECIFIC INTERFACES

VEHICLE INTERFACE

DOOR LOCK INTERFACE

UTILITY METER INTERFACE

APPLIANCE INTERFACE

BUILDING CONTROL INTERFACE

USER DISPLAY

USER KEYBOARD

EXTERNAL SENSORS

MAGNETIC FLUX

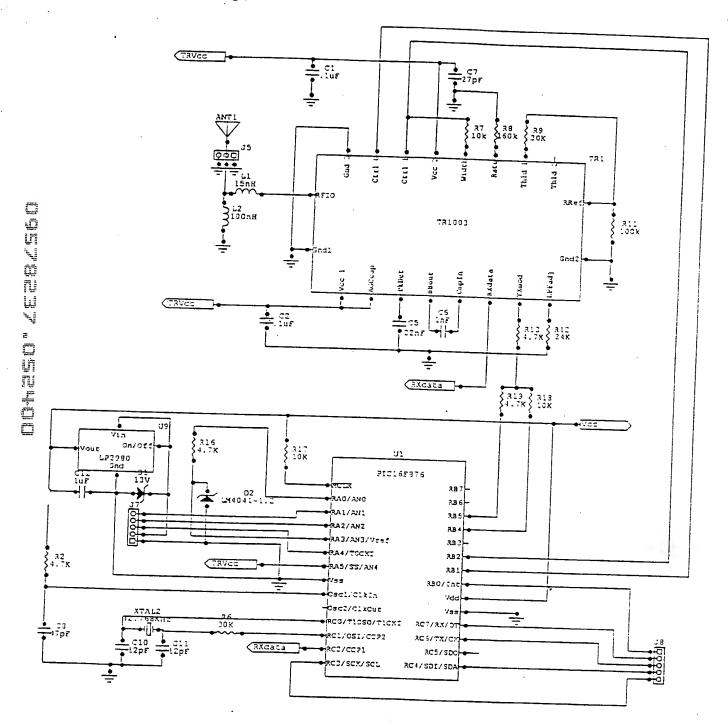
**TEMPERATURE** 

METEOROLOGY

ACCELEROMETER/ ATTITUDE

> PRESSURE/ ATTITUDE

FIG. 8





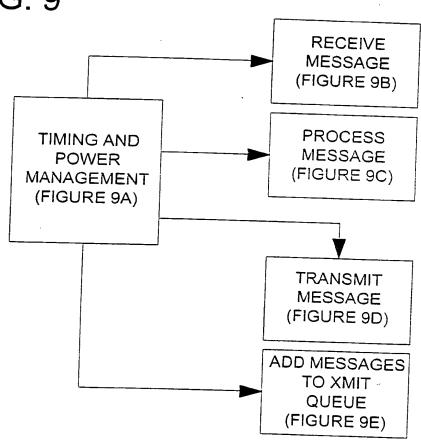


FIG. 9A

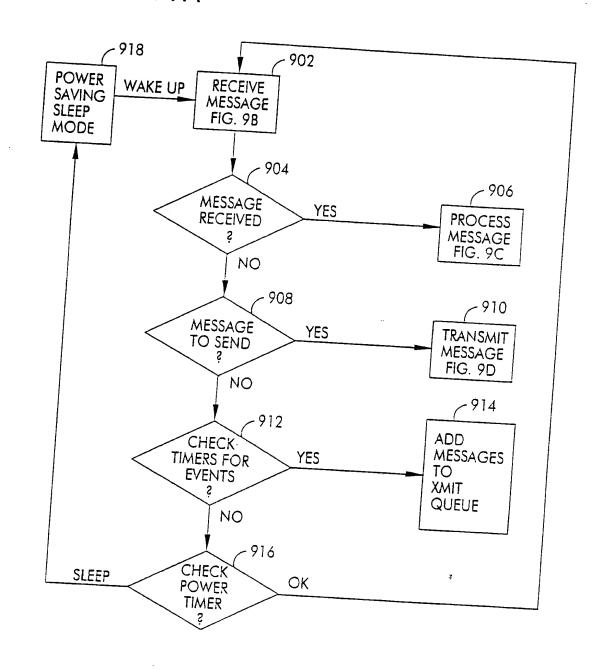


FIG. 9B

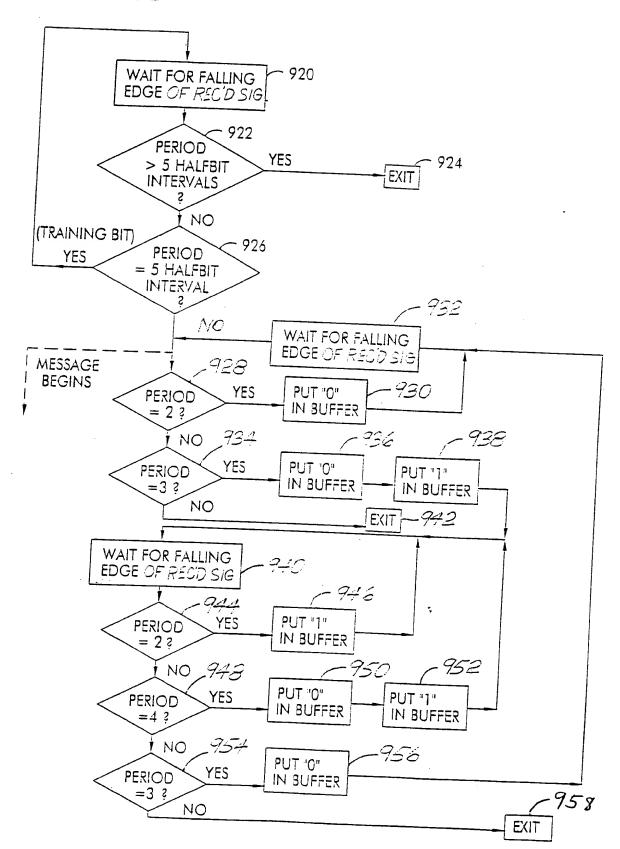
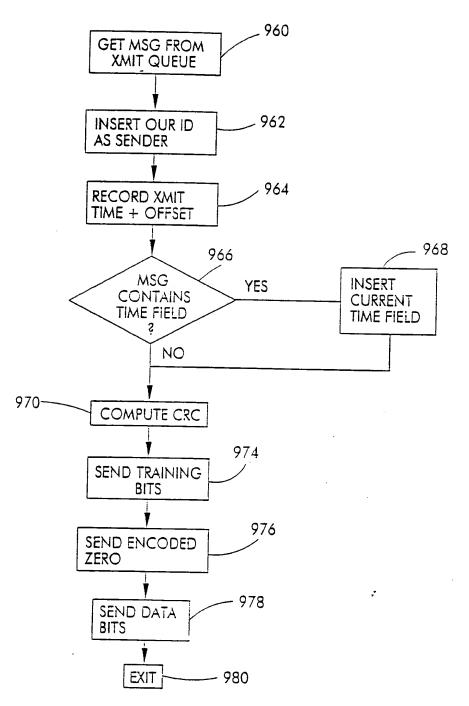
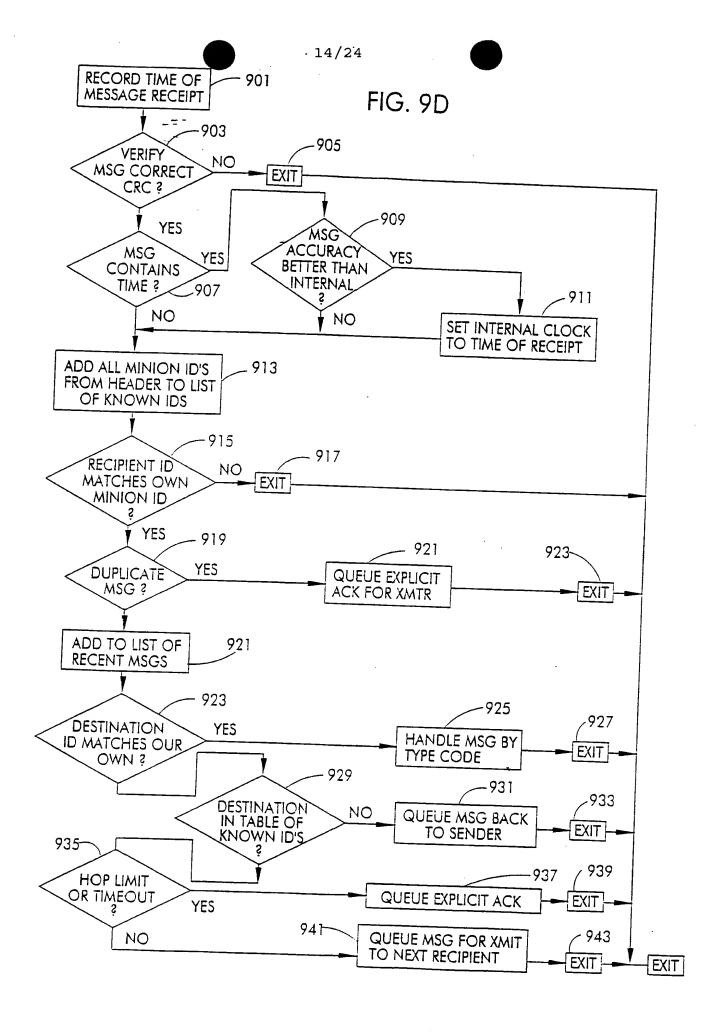


FIG. 9C







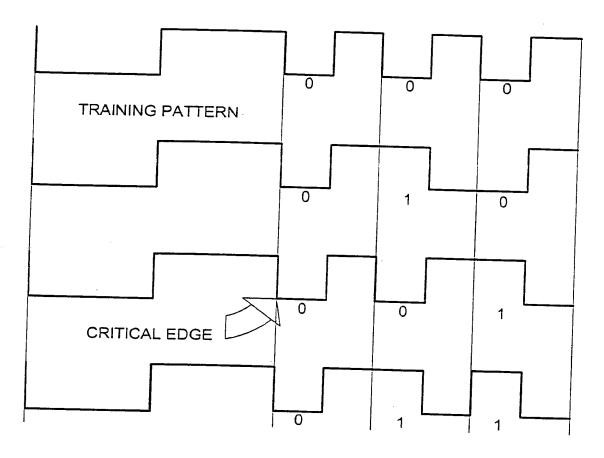
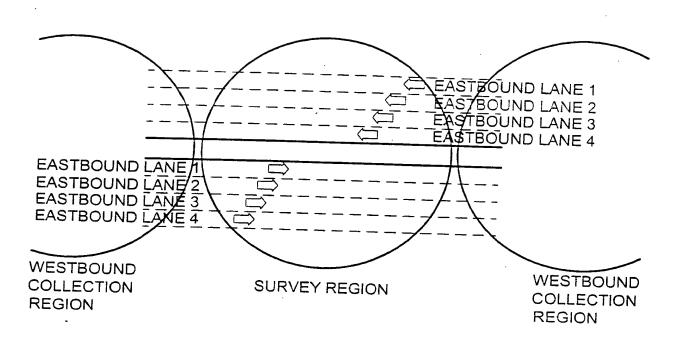


FIG. 10A



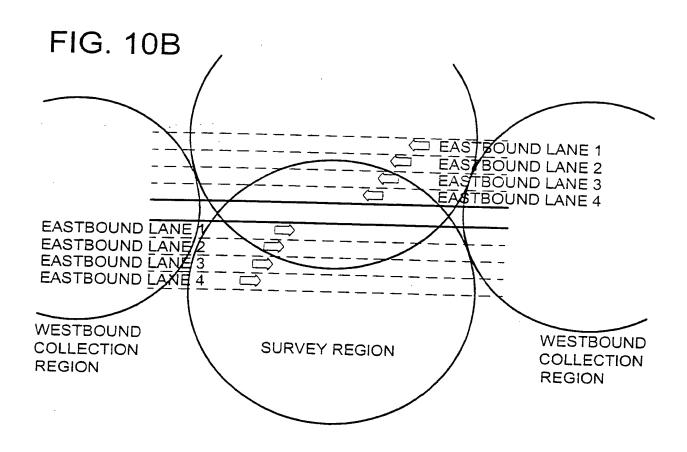
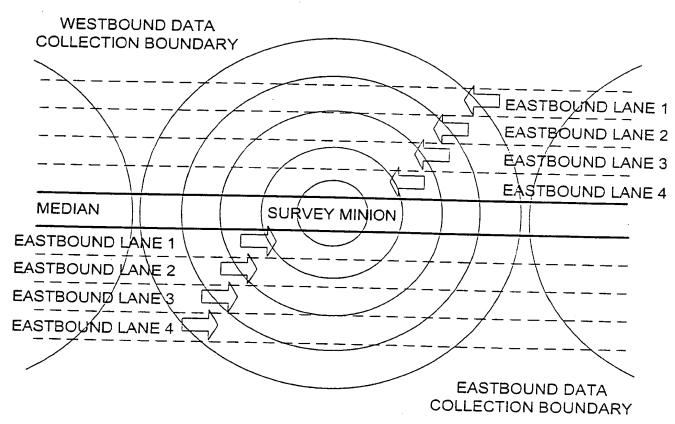


FIG. 11A



Survey Minion

Westbound Lane 4

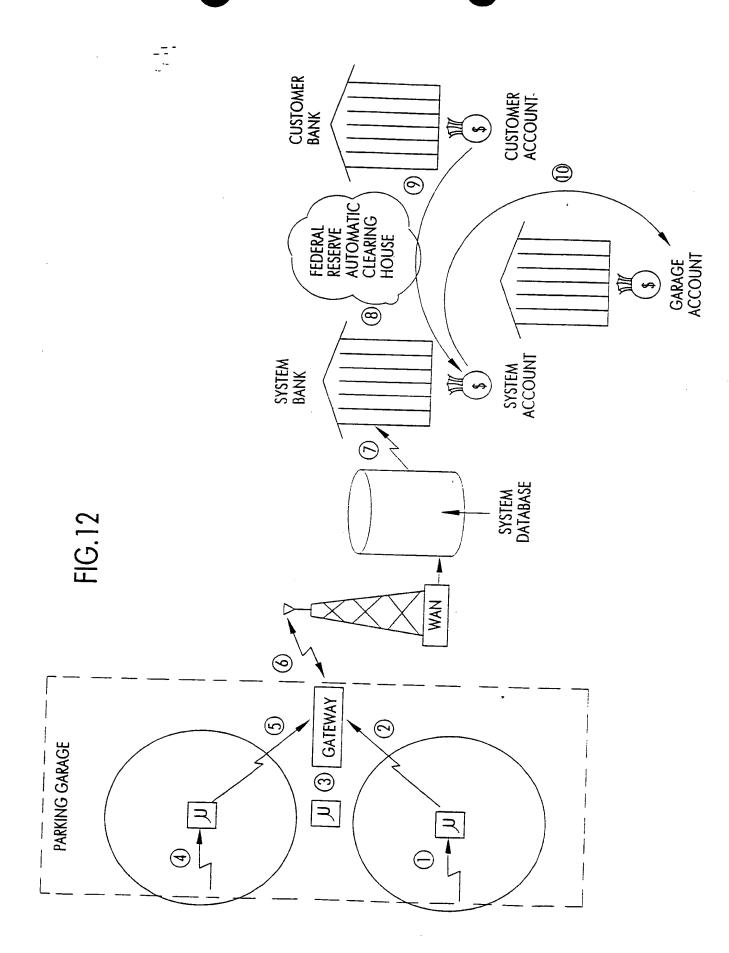
Westbound Lane 3

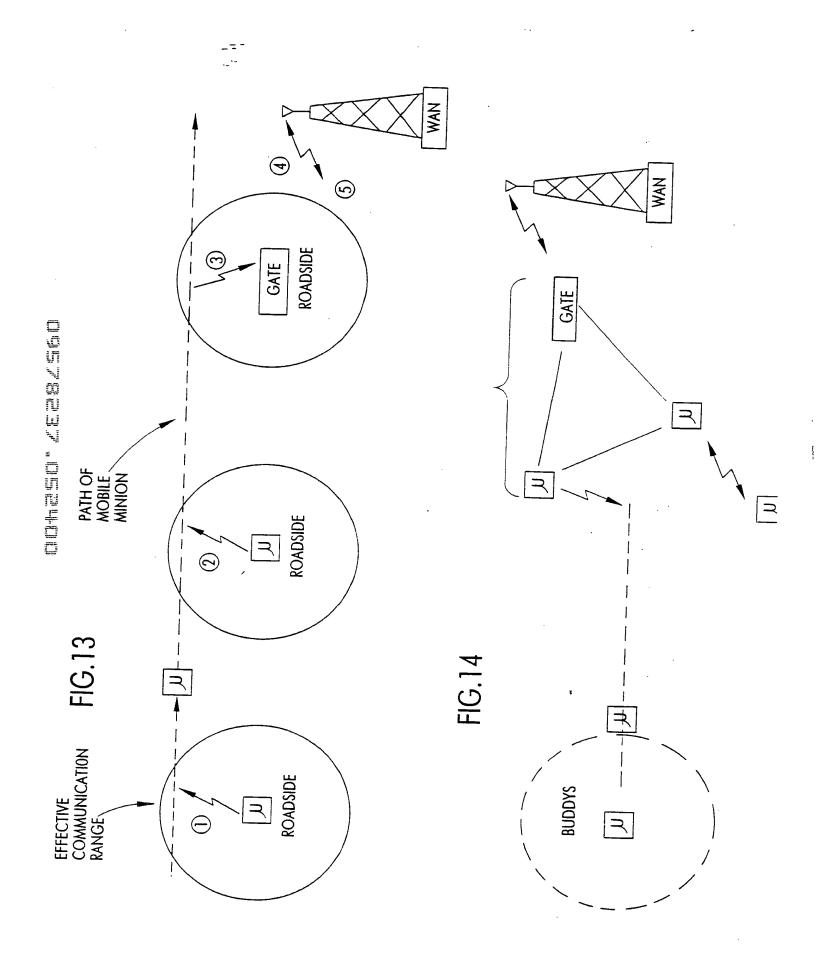
Westbound Lane 1

Eastbound Lane 3

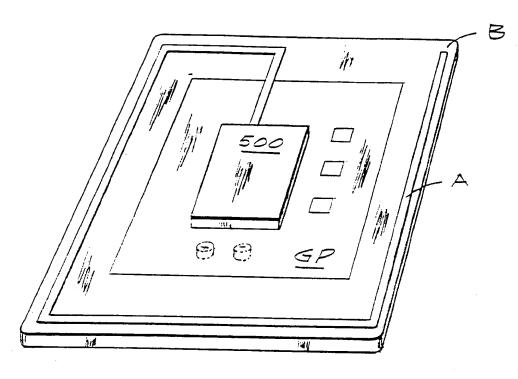
Eastbound Lane 4

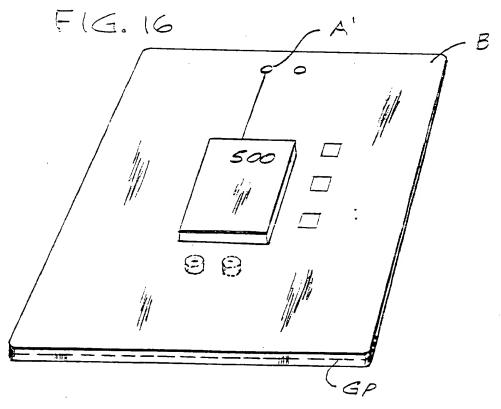
Survey Minion

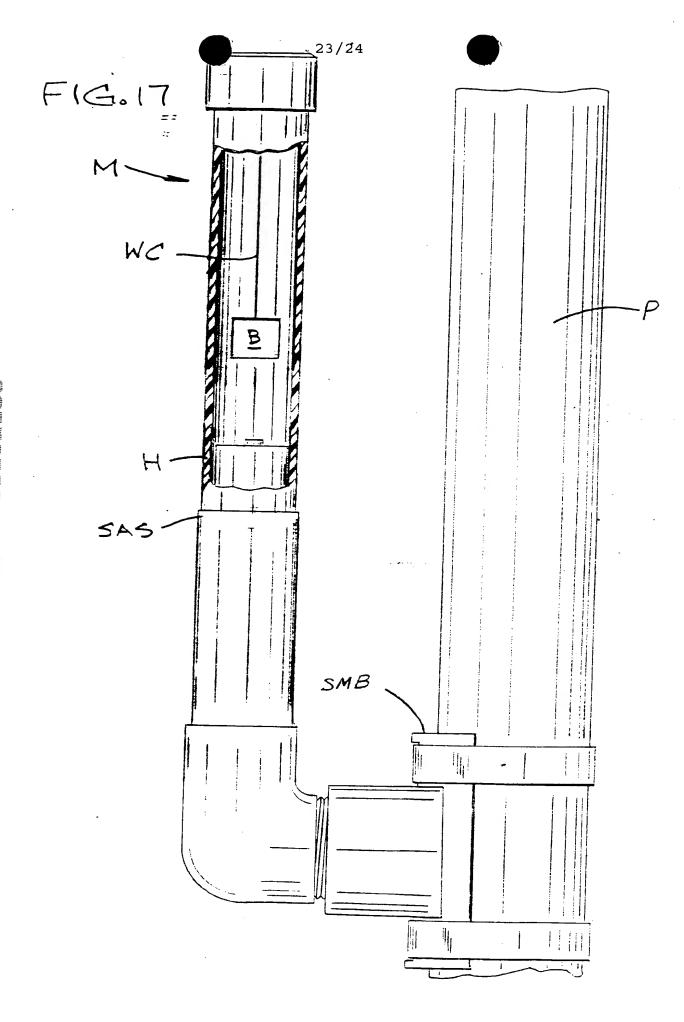




F16.15







## 81914

MinionNet TM Central Services

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